

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

**(19) World Intellectual Property
Organization
International Bureau**



(43) International Publication Date
4 November 2004 (04.11.2004)

(10) International Publication Number
WO 2004/093968 A1

(51) International Patent Classification⁷: A61M 29/02,
25/00

(21) International Application Number:
PCT/IB2003/001531

(22) International Filing Date: 24 April 2003 (24.04.2003)

(25) Filing Language: Italian

(26) **Publication Language:** English

(71) Applicant (for all designated States except US): BAYCO CONSULTING LIMITED [GB/GB]; 6th Floor (East), 30, St. James Street, London SW1A 1HB (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): GAZZA, Gianluca [IT/MC]; 31, Avenue Princesse Grace (MC).

(74) Agents: CRIPPA, Paolo, Ernesto et al.; Jacobacci & Partners S.p.A., Via Senato, 8, I-20121 Milano (IT).

(81) Designated States (*national*): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

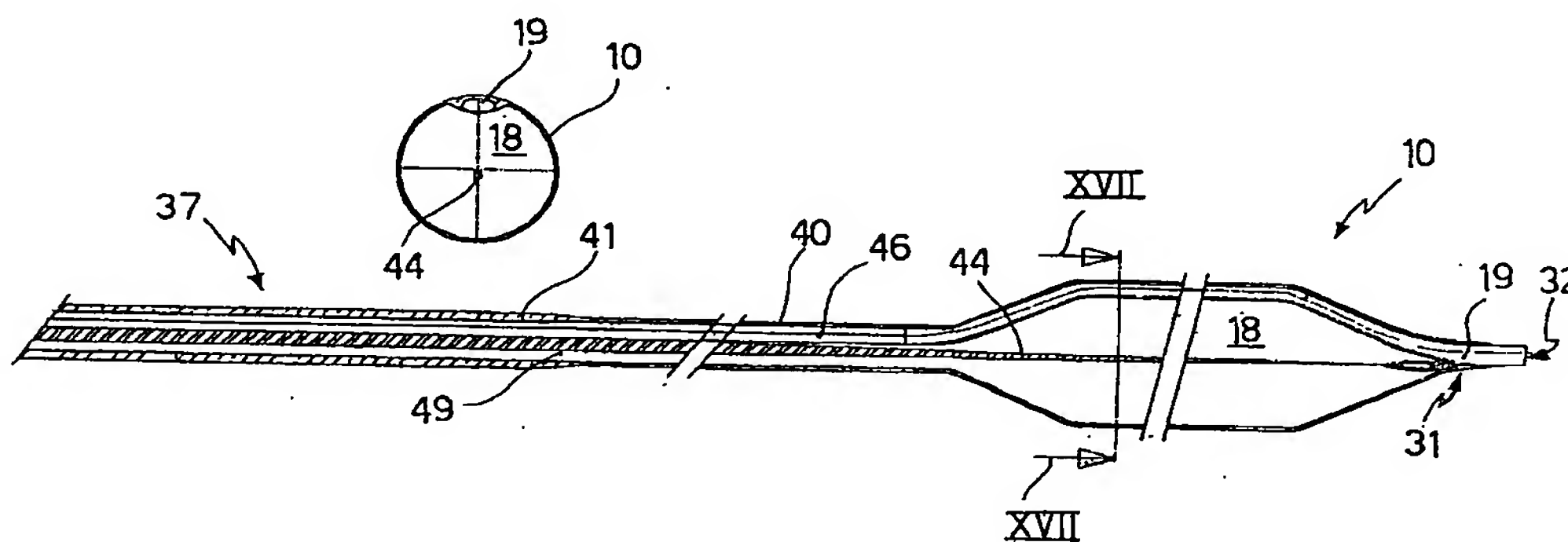
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: BALLOON STRUCTURE AND BALLOON CATHETER



(57) Abstract: An inflatable balloon structure (10) for catheters, such as a catheter for angioplasty or for depositing an endolumenal prosthesis or stent in a duct, for example, a vascular duct, the balloon structure being of predominant longitudinal extent with a proximal end and a distal end, and being suitable for performing an expansion in an object to be dilated, the balloon comprising a wall which has, transverse the longitudinal extent, at any point, an annular cross-section delimited externally by an outer surface which, at least in an intermediate portion thereof, is suitable for coming into contact with the object to be dilated, and internally by an inner surface which delimits an inflation chamber, in which at least one wall cavity (19) is provided in the wall and is formed within the annular cross-section which delimits the inflation chamber so as to be disposed between the outer surface and the inner surface, the cavity extending without interruptions and/or openings, longitudinally relative to the balloon structure, between the proximal end and the distal end.

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